

## AMENDMENTS TO THE SPECIFICATION

1. Please amend the paragraph that spans pages 6-7 as follows:

In an embodiment of the invention, said active ingredients are selected from the group of:

Acetaminophen, ~~Acetylsalicylsyre~~ Acetylsalicylic acid, Buprenorphine, Bromhexin, Celcoxib, Codeine, Diphenhydramin, Diclofenac, Etoricoxib, Ibuprofen, Indometacin, Ketoprofen, Lumiracoxib, Morphine, Naproxen, Oxycodon, Parecoxib, Piroxicam, ~~Pseudoefedrin~~, Rofecoxib, Tenoxicam, Tramadol, Valdecoxib, Calciumcarbonate, Magaldrate, Disulfiram, Bupropion, Nicotine, Azithromycin, Clarithromycin, Clotrimazole, Erythromycin, Tetracycline, Granisetron, Ondansetron, Prometazin, Tropisetron, Brompheniramine, Ceterizin, Ieco-Ceterizin, Chlorcyclizine, Chlorpheniramin, Chlorpheniramin, Difenhydramine, Doxylamine, Fenofenadin, Guaifenesin, Loratidin, des-Loratidin, Phenyltoloxamine, Promethazin, Pyridamine, Terfenadin, Troxerutin, Methyldopa, Methylphenidate, Benzalcon. Chloride, Benzeth. Chloride, Cetylpyrid. Chloride, Chlorhexidine, Ecabet-sodium, Haloperidol, Allopurinol, Colchicine, Theophylline, Propanolol, Prednisolone, Prednisone, Fluoride, Urea, Miconazole, Actot, Glibenclamide, Glipizide, Metformin, Miglitol, Repaglinide, Rosiglitazone, Apomorphin, Cialis, Sildenafil, Vardenafil, Diphenoxylate, Simethicone, Cimetidine, Famotidine, Ranitidine, Ratinidine, cetirizin, Loratadine, Aspirin, Benzocaine, Dextrometorphan, Ephedrine, Phenylpropanolamine, Pseudoephedrine, Cisapride, Domperidone, Metoclopramide, Acyclovir, Dioctylsulfosucc., Phenolphthalein, Almotriptan, Eletriptan, Ergotamine, Migea, Naratriptan, Rizatriptan, Sumatriptan, Zolmitriptan, Aluminium salts, Calcium salts, Ferro salts, Silver salts, Zinc-salte, Amphotericin B, Chlorhexidine, Miconazole, Triamcinolonacetoneid, Melatonin, Phenobarbital, Caffeine, Benzodiazepine, Hydroxyzine, Meprobamate, Phenothiazine, Buclizine, Brometazine, Cinnarizine, Cyclizine, Difenhydramine, Dimenhydrinate, Buflomedil, Amphetamine, Caffeine, Ephedrine, Orlistat, Phenylephedrine, Phenylpropanolamin, Pseudoephedrine, Sibutramin, Ketoconazole, Nitroglycerin, Nystatin, Progesterone, Testosterone, Vitamin B12, Vitamin C, Vitamin A, Vitamin D, Vitamin E, Pilocarpin, Aluminiumaminoacetat, Cimetidine, Esomeprazole, Famotidine,

Lansoprazole, Magnesiumoxide, Nizatide and/or Ratinidine or derivates and mixtures thereof.

2. Please amend the paragraph that spans pages 14-15 as follows:

Active ingredients may comprise the below mentioned compounds or derivates thereof but are not limited thereto: Acetaminophen, ~~Acetylsalicylsyre~~ Acetylsalicylic acid, Buprenorphine, Bromhexin, Celcoxib, Codeine, Diphenhydramin, Diclofenac, Etoricoxib, Ibuprofen, Indometacin, Ketoprofen, Lumiracoxib, Morphine, Naproxen, Oxycodon, Parecoxib, Piroxicam, ~~Pseudoefedrin~~, Rofecoxib, Tenoxicam, Tramadol, Valdecoxib, Calciumcarbonate, Magaldrate, Disulfiram, Bupropion, Nicotine, Azithromycin, Clarithromycin, Clotrimazole, Erythromycin, Tetracycline, Granisetron, Ondansetron, Prometazin, Tropisetron, Brompheniramine, Ceterizin, Ieco-Ceterizin, Chlorcyclizine, Chlorpheniramin, Chlorpheniramin, Difenhydramine, Doxylamine, Fenofenadin, Guaifenesin, Loratidin, des-Loratidin, Phenyltoloxamine, Promethazin, Pyridamine, Terfenadin, Troxerutin, Methyldopa, Methylphenidate, Benzalcon. Chloride, Benzeth. Chloride, Cetylpyrid. Chloride, Chlorhexidine, Ecabet-sodium, Haloperidol, Allopurinol, Colchicine, Theophylline, Propanolol, Prednisolone, Prednisone, Fluoride, Urea, Miconazole, Actot, Glibenclamide, Glipizide, Metformin, Miglitol, Repaglinide, Rosiglitazone, Apomorfin, Cialis, Sildenafil, Vardenafil, Diphenoxylate, Simethicone, Cimetidine, Famotidine, Ranitidine, Ratinidine, cetirizin, Loratadine, Aspirin, Benzocaine, Dextrometorphan, Ephedrine, Phenylpropanolamine, Pseudoephedrine, Cisapride, Domperidone, Metoclopramide, Acyclovir, Dioctylsulfosucc., Phenolphthalein, Almotriptan, Eletriptan, Ergotamine, Migea, Naratriptan, Rizatriptan, Sumatriptan, Zolmitriptan, Aluminium salts, Calcium salts, Ferro salts, Silver salts, Zinc-salte, Amphotericin B, Chlorhexidine, Miconazole, Triamcinolonacetonid, Melatonin, Phenobarbitol, Caffeine, Benzodiazepiner, Hydroxyzine, Meprobamate, Phenothiazine, Buclizine, Brometazine, Cinnarizine, Cyclizine, Difenhydramine, Dimenhydrinate, Buflomedil, Amphetamine, Caffeine, Ephedrine, Orlistat, Phenylephedrine, Phenylpropanolamine, Pseudoephedrine, Sibutramin, Ketoconazole, Nitroglycerin, Nystatin, Progesterone, Testosterone, Vitamin B12, Vitamin C, Vitamin A, Vitamin D,

Vitamin E, Pilocarpin, Aluminiumaminoacetat, Cimetidine, Esomeprazole, Famotidine, Lansoprazole, Magnesiumoxide, Nizatide and or Ratinidine.

3. Please amend the paragraph that spans pages 19-20 as follows:

Examples of the lactones described above are, but not limited to,  $\epsilon$ -caprolactone, t-butyl caprolactone, zeta-enantholactone, deltavalerylactones, the monoalkyl-delta-valerylactones, e. g. the monomethyl-, monoethyl-, monohexyl-deltavalerylactones, and the like; the ~~nonalkyl~~, monoalkyl, dialkyl, and trialkyl-epsilon-caprolactones, e. g. the monomethyl-, monoethyl-, monohexyl-, dimethyl-, di-n-propyl-, di-n-hexyl-, trimethyl-, triethyl-, tri-n-epsilon-caprolactones, 5-nonyloxepan-2-one, 4, 4, 6- or 4, 6, 6-trimethyloxepan-2-one, 5-hydroxymethyloxepan-2-one, and the like ; beta-lactones, e. g., beta-propiolactone, beta-butyrolactone gamma-lactones, e. g., gammabutyrolactone or pivalolactone, dilactones, e. g. lactide, dilactides, glycolides, e. g., tetramethyl glycolides, and the like, ketodioxanones, e. g. 1, 4-dioxan-2-one, 1, 5-dioxepan-2-one, and the like. The lactones can consist of the optically pure isomers or two or more optically different isomers or can consist of mixtures of isomers.

4. Please amend the paragraph on page 20, lines 16-17 as follows:

According to the invention several different ~~carbonate~~ carbonate monomers may be applied. The preferred carbonate monomer is trimethylene carbonate (TMC).

5. Please amend the paragraph on page 31, lines 23-29 as follows:

Flavor intensity is favored by the biodegradable polymers in the conventional gum base system primarily in the initial chewing phase. Ex. 13 having a higher flavor intensity during the first 2 minutes of chewing. After the first 2 minutes the flavor is lost and the intensity is reduced to below ex. 11. Ex. 12 follows the ex. 11 in flavor intensity. In ex. 14 (combination of 12 and 13) it can be seen that the LMWE can be used to ~~ajst~~ adjust the loss of flavor intensity caused by the substituting PVA with a biodegradable resin in the last period of chewing.

6. Please amend the paragraph on page 33, lines 10-19 as follows:

Figure 9 is illustrating the strawberry release as a function of time. It can be seen that although the amount of strawberry have been reduced to the half of the amount in ex. 16 and ex. 17 compared to ex. 15 it does not affect the in-vivo experience when chewing the samples. In ex. 17 additional 0.5% of triacetine has been added in order to ~~ajust~~ adjust the viscosity to ex. 15, as reduction of flavor results in higher viscosity of the gum and reduced flavor release. It can be concluded from figure 9 that it is possible to reduce the amount of chewing gum ingredients, such as flavoring agents or active ingredients in biodegradable chewing gums comprising at least one biodegradable polymer, wherein the molecular weight of said biodegradable polymer is at least 105000 g/mol (Mn).

7. Please amend the paragraph on page 35, lines 11-12 as follows:

Sensory profile of conventional and biodegradable chewing gum ~~contianing~~ containing acid

8. Please amend the paragraph on page 41, lines 8-16 as follows:

It appears clearly of the in figure 13 and 14, that all the chewing gums containing biodegradable polymers (ex. 12-14) are having textures comparable to that of conventional chewing gum in ex. 11. However regarding the initial chew the biodegradable chewing gums are harder due to better attraction between the phases consisting of the sweetener and the more hydrophilic biodegradable gum bases compared to the attraction between the phases consisting of the sweetener and the more hydrophobic conventional gum bases. But within very short chewing time (~~less that~~ than 15 seconds) the texture of the biodegradable chewing gums becomes softer, as saliva is incorporated into the gum.